



## Roofing Underlayment Installation Guidelines:

Epilay™ ProtectTite™ Ultra synthetic roofing underlayment is manufactured as a secondary water shedding layer under most steep slope roofing materials, replacing #30 organic saturated felt products. It is not intended as a primary roof covering. Designed as an air, water and vapor barrier, with <1 perm rating, it must be installed above adequately ventilated spaces.

**CAUTION:**  
**ALWAYS OBSERVE SAFE ROOFING PRACTICES. USE AND WEAR FALL PROTECTION DEVICES - FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY!**

Fastening methods and materials should conform to best building practices and local jobsite conditions. Please strictly adhere to all local building codes applicable to your job site and manufacture's written installation instructions. The instructions and a copy of the CCRR-1004 report can be obtained on our website [www.epilay.com](http://www.epilay.com). Always use caution when walking on sloped roof decks and Epilay™ underlayments as the GripWalk® slip resistance may vary with surface conditions, weather, debris, footwear and roof pitch.

### Same day coverage:

1. Ensure the deck surface is free of nails, protrusions and other debris that may damage product; it should have a smooth even surface with no voids and deck should be moisture free.
2. **APPLICATION:** For slopes 4:12 and higher underlayment is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4" and vertical laps should be 6" and anchored approximately 1" in from the edge. For applications on slopes 2:12 to <4:12 it is recommended to overlap product 50% of roll size plus 1 inch (25"). Epilay underlayment is not recommended for slopes less than 2:12. In jurisdictions where the use of standard underlayment (asphalt or synthetic) in valley applications is permitted by local building codes, Epilay recommends that Platinum underlayment be applied as a valley liner in accordance with applicable building codes and industry standards/guidelines. Woven or closed-cut valleys are not recommended.
3. **FASTENERS:** For short-term exposure (less than 24 hours before the primary roof installation is completed) without exposure to precipitation, rainfall or high wind (any signs of underlayment uplifting), any standard roofing fastener (corrosive resistant roofing nail with 3/8" head, plastic cap nail or staple, hammer tacker 3/8" crown staple, 7/16" crown staple, etc.) may be used to nominally attach the underlayment only as necessary to prevent distortion around fasteners in high traffic areas. The final roof covering will permanently affix the underlayment in place. Fasteners shall be 90° to the roof deck and shall not be under or over driven. Use of un-capped staples may result in a possibility of blow off or water intrusion/leakage around the fasteners. To assist in prevention of leakage around staples it is recommended to only staple into overlapped areas.
4. Cover roof with primary roof cladding.

### References:

- a. Roofing practices per OSHA 29CFR
- b. Fall Protection per OSHA 1926.502
- c. Applicable State & Local building codes
- d. Standard Specifications ASTM D 226 Type I,II
- e. CAN / CSA A220

For more information visit our website at [www.epilay.com](http://www.epilay.com) or  
Contact our Marketing Dept. at (800) 292-6728 or [sales@epilay.com](mailto:sales@epilay.com).

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UNDERLAYMENT  
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### Extended Exposure up to 1yr:

1. Ensure the deck surface is free of nails, protrusions and other debris that may damage product; it should have a smooth even surface with no voids and deck should be moisture free. Epilay™ Protectite™ Ultra synthetic underlayments can be exposed to ultraviolet conditions for up to 365 days. Severe weather and/or local jobsite conditions may require a shorter exposure period. Please contact Epilay for further information.
2. **APPLICATION:** For slopes 4:12 and higher underlayment is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4" and vertical laps should be 6" and anchored approximately 1" in from the edge. For applications on slopes 2:12 to <4:12 it is recommended to overlap 50% plus 1" (25"). Epilay is not recommended for slopes less than 2:12. In jurisdictions where the use of standard underlayment (asphalt or synthetic) in valley applications is permitted by local building codes, Epilay recommends that Platinum underlayment be applied as a valley liner in accordance with applicable building codes and industry standards/guidelines. Woven or closed-cut valleys are not recommended.
3. **FASTENERS:** Underlayment must be attached to the structural roof deck material using either corrosive-resistant roofing nails with a minimum head diameter of 3/8 inches or plastic capped roofing nails or staples with a minimum plastic cap diameter of 1 inch. Fasteners shall be 90° to the roof deck and shall not be under or over driven.
4. For high wind geographical areas it is recommended to use additional fasteners at areas clearly marked "high wind". For extended exposure (30+ days) or if conditions such as driving rain or strong winds are expected it is recommended to take additional precautions such as doubling the lap widths and/or sealing all seams with a seam tape or a compatible sealant between the overlaps. Where seams and joints require a sealant or adhesive, use a high quality, low solvent, plastic roofing cement that meets ASTM D-4586 Type1 or equivalent. Acceptable alternatives are butyl rubber, urethane, and EPDM based caulk or tape sealants.
5. Cover roof with primary roof cladding.

### References:

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